

**IN THE CLAIMS**

1. (Currently Amended) An editing system for encoding a plurality of images or sounds and multiplexing plural encoded data so as to produce recording data which is recorded in a recording medium, said editing system comprising:

a system controller;

a single storage unit having a plurality of input ports and at least one output port;

a plurality of encoding devices for encoding inputted images or sounds, and for successively storing encoded data in a recording area of said single storage unit specified by said system controller through said input ports and for outputting ~~the~~ a data amount of the encoded data for every predetermined unit to said system controller; and

a multiplexing unit for reading said encoded data to be multiplexed from said single storage means unit through said output port so as to produce the multiplexed data, and for storing the multiplexed data in a predetermined recording area of said single storage means unit through one of said input ports as ~~said~~ recording data;

wherein when each of said plurality of encoding ~~unit~~ devices receives an encode list from said system controller, then each of said plurality of encoding ~~unit~~ requires devices ~~address information of a recording unit~~ requires address information of a recording area of a single storage unit ~~to said system controller~~, and thereby said system controller specifies the recording ~~[[are]]~~ area for each of said plurality of encoding ~~unit~~ devices and sends information of the specified recording area for each of said plurality of encoding ~~units~~ devices.

2. (Currently Amended) The editing system according to claim 1, wherein said system controller outputs information necessary for encoding processing to each of said plurality of encoding devices, so as to instruct the plurality of encoding devices to start the encoding processing.

3. (Currently Amended) The editing system according to claim 1, wherein said system controller gives each of said plurality of encoding devices the address information of said recording area of said single storage unit for storing the encoded data, when said plurality of encoding ~~means~~ devices ~~requests~~ request an area where in said single storage unit the encoded data will ~~be~~ stored.

4. (Currently Amended) The editing system according to claim 1, wherein when said system controller receives information that each of said plurality of encoding devices has completed ~~the~~ encoding processing, the system controller gives said multiplexing unit the address information of the recording area of said single storage unit in which said encoded data has been stored and the address information of said recording area of said single storage unit in which said multiplexed data is stored, so as to instruct the multiplexing unit to start ~~the~~ multiplexing processing.

5. (Currently Amended) The editing system according to claim 1, further comprising:

a decoder for reading said multiplexed data from said single storage unit through said at least one output port to decode said multiplexed data.

6. (Currently Amended) The editing system according to claim 1, further comprising:

a recording unit for reading said multiplexed data from said single storage unit through said at least one output port to record said multiplexed data in a predetermined recording medium as said recording data.

7. (Currently Amended) A data editing method for encoding a plurality of images or sounds and multiplexing the ~~plural~~ plurality of encoded data so as to produce recording data which is recorded in a recording medium and controlled by a system controller, said data editing method comprising the steps of:

respectively encoding a plurality of inputted images or sounds with a plurality of encoding devices;

~~and~~ respectively storing the plurality of encoded data in different recording areas of a single storage unit; ~~control of said single storage unit residing in a system controller and~~

reading said plurality of encoded data from said different recording areas of said single storage unit to be multiplexed so as to produce ~~the multiplexed data; , and storing the multiplexed data,~~ and

storing the multiplexed data as said recording data in an additional recording area of said single storage unit ~~also~~ under the control of said system controller which is different from said recording areas of said single storage unit storing said plurality of encoded data;

wherein when each of said plurality of encoding devices receives an encode list from said system controller, then each of said plurality of encoding devices requires address information of a recording area of a single storage unit, and thereby said system controller specifies the recording area for each of said plurality of encoding devices and sends information of the specified recording area for each of said plurality of encoding devices.